

ABSTRACT OF THE DISCLOSURE

A message relay device suitable for constructing a ultra-high-speed message relaying system is disclosed. In
5 the message relay device, a flow is detected by a prescribed condition, while a bypass channel capable of transferring messages with an amount of calculations smaller than the case of handling messages by a default channel is set up, and the message transfer belonging to
10 the flow is switched from the default channel to the bypass channel, while providing the connection-less communications on the default channel, so that it is possible to realize the message relaying with the ultra-high throughput by relieving the large amount of calculations inherently
15 associated with the connection-less communications.

20

25

30

35